ATTACHMENT B

AREA OF REVIEW AND CORRECTIVE ACTION PLAN [40 CFR 146.84(b)]

1. FACILITY INFORMATION

Facility name: River Parish Sequestration – RPN 3

Facility contact: Andrew Chartrand, VP, Regulatory and Environmental
1333 West Loop South, Suite 830, Houston, TX 77027
832-696-0052, andrew.chartrand@blueskyinfrastructure.com

Well name/location: RPN-3-INJ, Assumption Parish, Louisiana

Table 1-1: Permit Application Injection Well:

Well	Parish/State	Latitude (NAD27)	Longitude (NAD27)
RPN-3-INJ	Assumption, LA	[redacted]	[redacted]

[redacted]

2. COMPUTATIONAL MODELING APPROACH

[redacted]

This AoR and CAP describes the approach that RPS has taken to delineate the AoR for the f[redacted]

[redacted]

[redacted]

Table 2-1: Proposed schedule for bringing RPS North Fairway injection wells online

[redacted]

The simulation input file, as well as documents describing porosity and permeability distributions, are uploaded on GSDT along with this application.

2.1 Model Background

Model name: GEM simulator (version 2022.30)

Model authors/institution: Computer Modeling Group, LLC

The industry standard software, GEM simulator from Computer Modeling Group, was used to perform all CO_2 storage forward modeling at RPS. It can model all miscible CO_2 trapping and injection mechanisms including structural, dissolution, residual gas trapping, and mineralization, as well as simulate gas condensation, viscosity reduction, and the formation of a miscible, multi-unit, solvent bank. It has been deployed in many research and real-world field studies.[2] GEM uses the Peng-Robinson or Soave-Redlich-Kwong equation of state (EoS) to predict phase equilibrium

[redacted]

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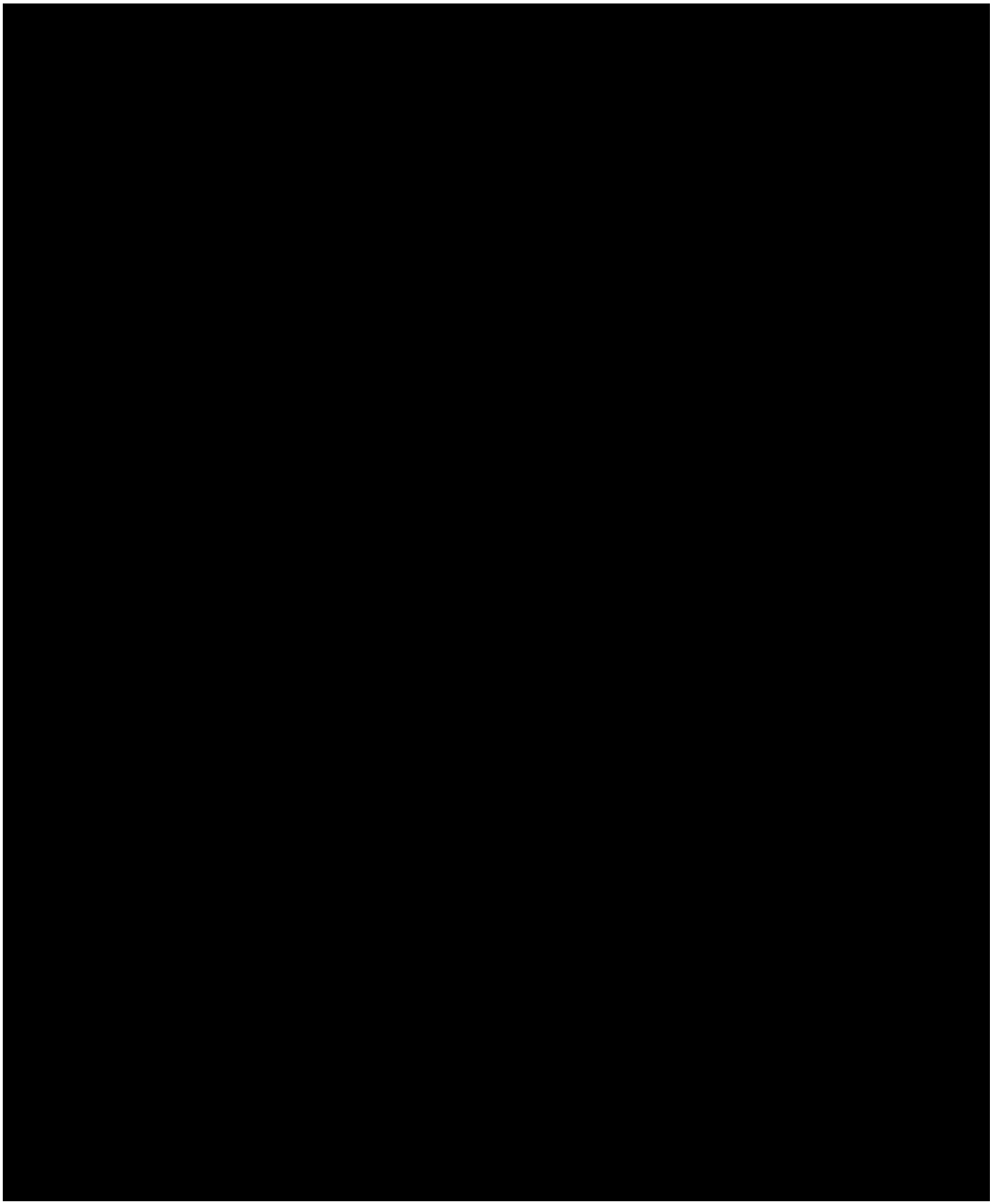
[redacted]



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2.2 Site Geology and Hydrology

A review of the geological and hydrological context is provided in the site characterization section of the application (**Section 2** of the **Application Narrative**). This section summarizes conclusions that are relevant to the AoR modeling effort.

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[redacted]

[redacted]

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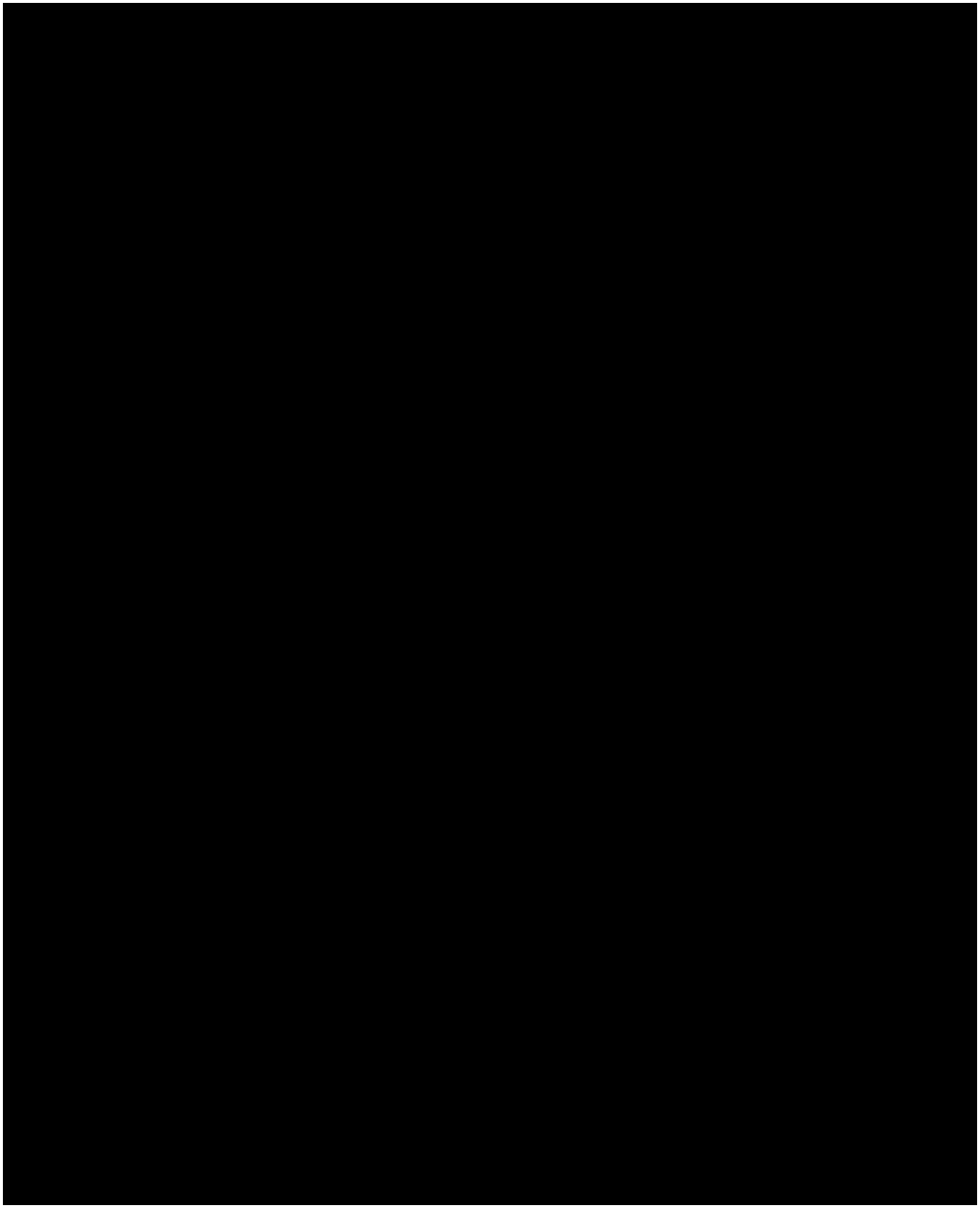

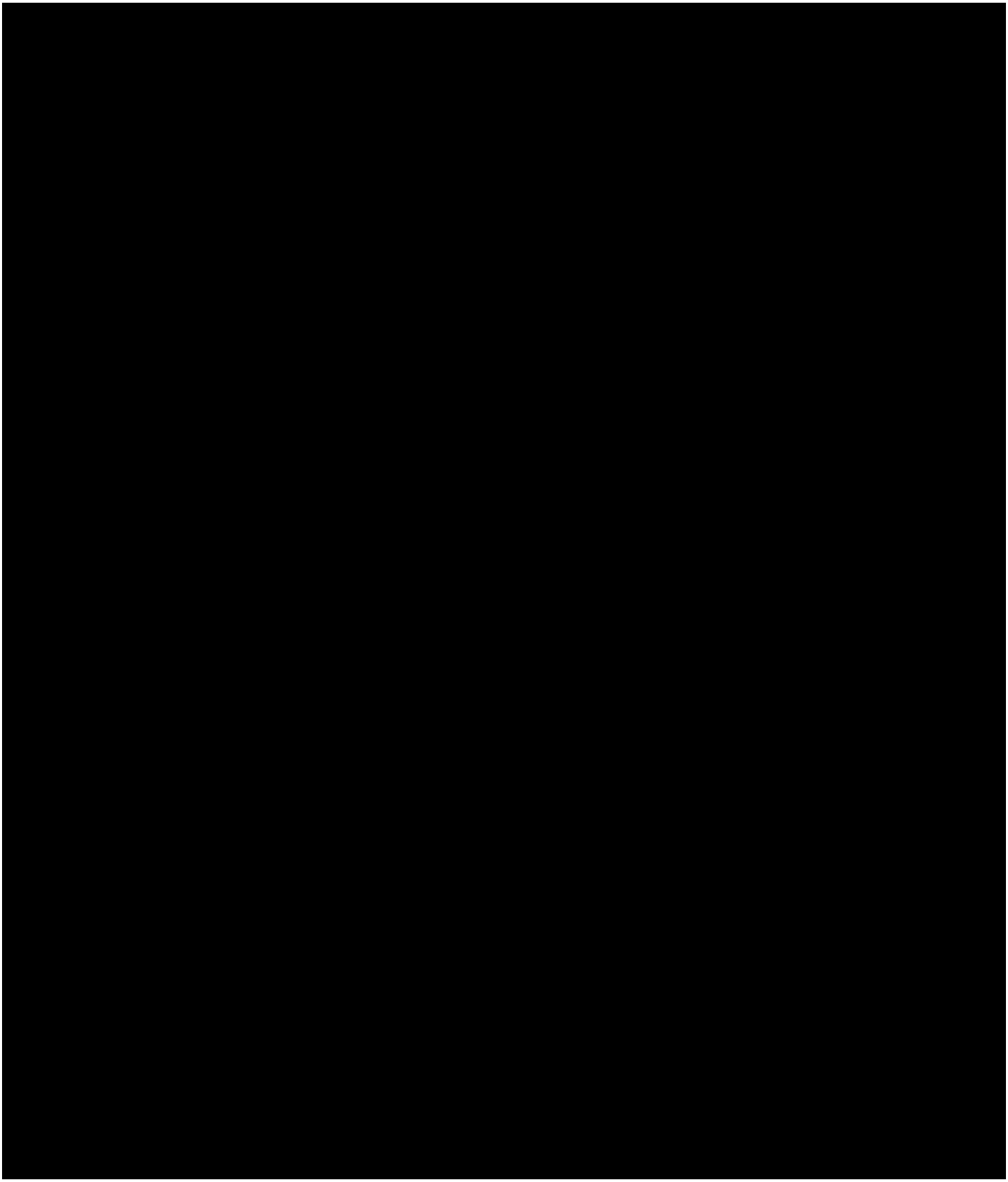

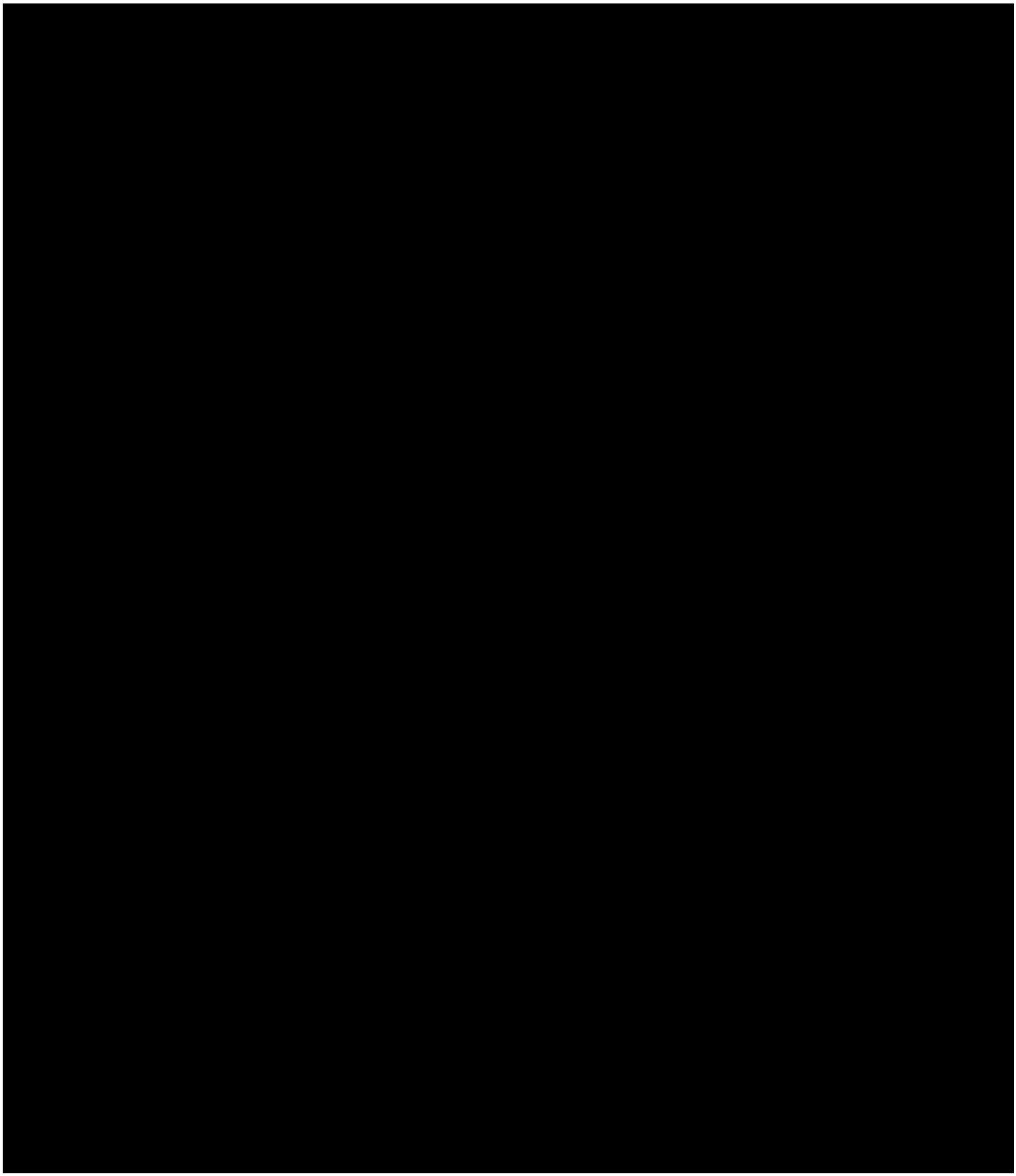

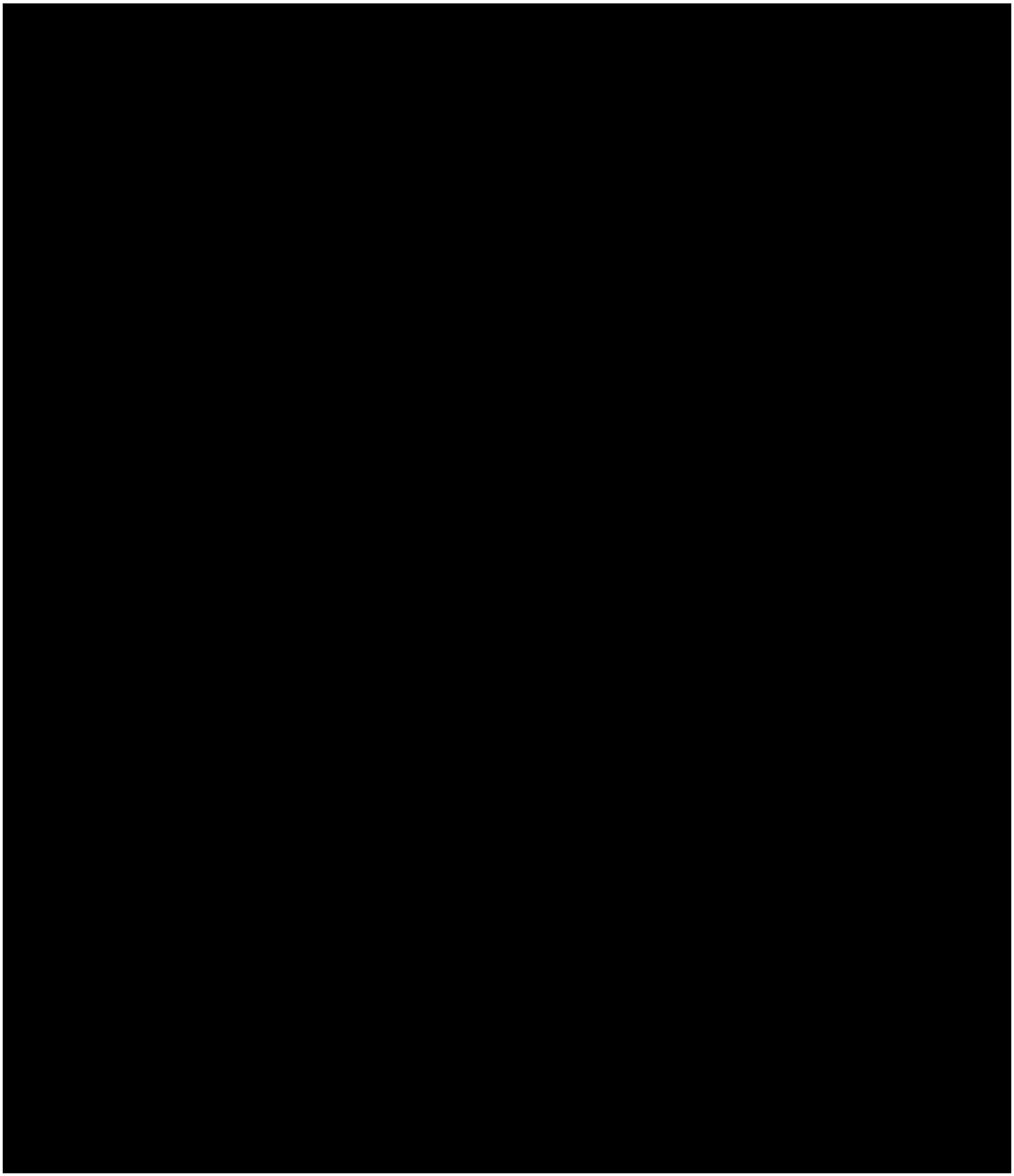

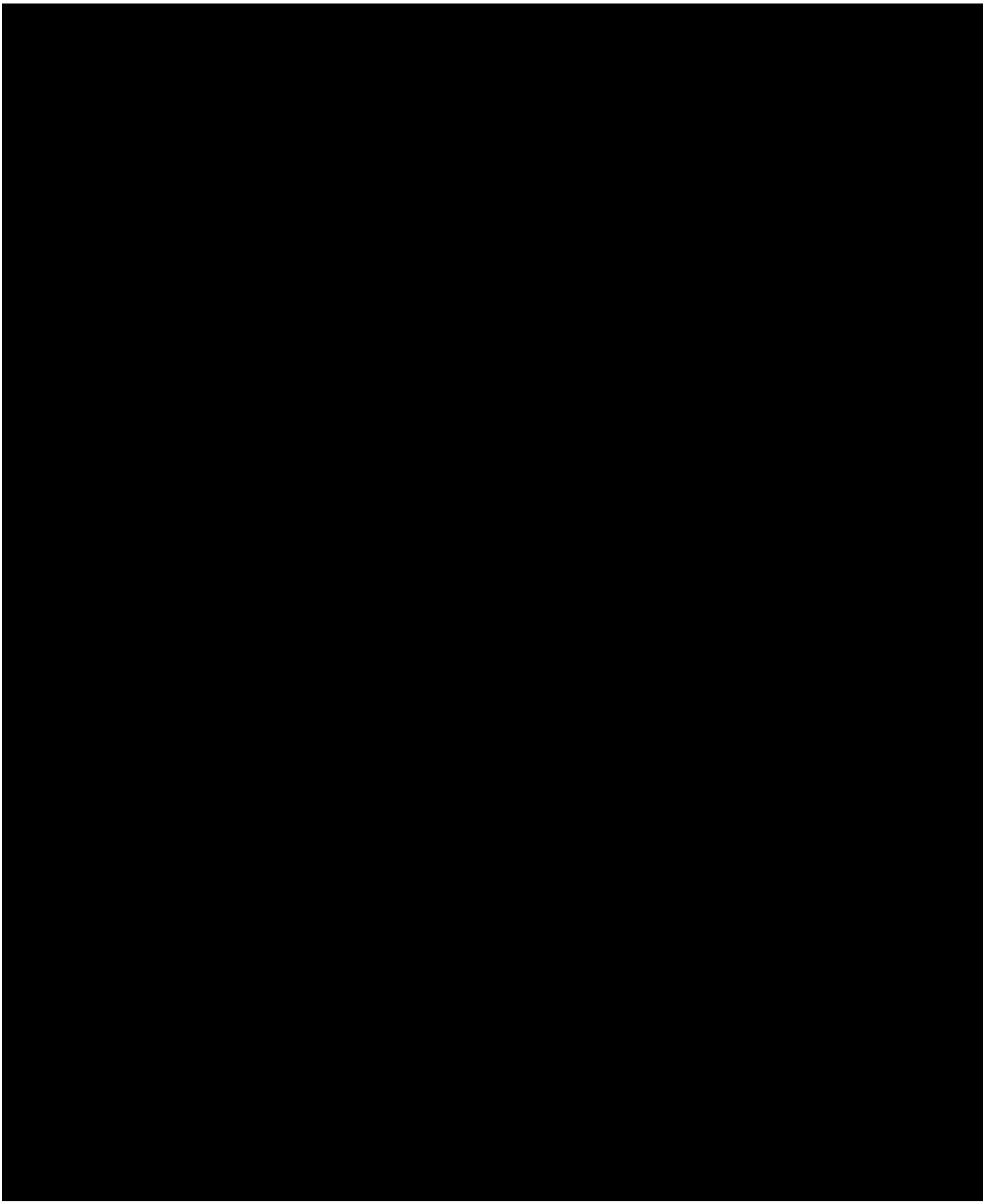

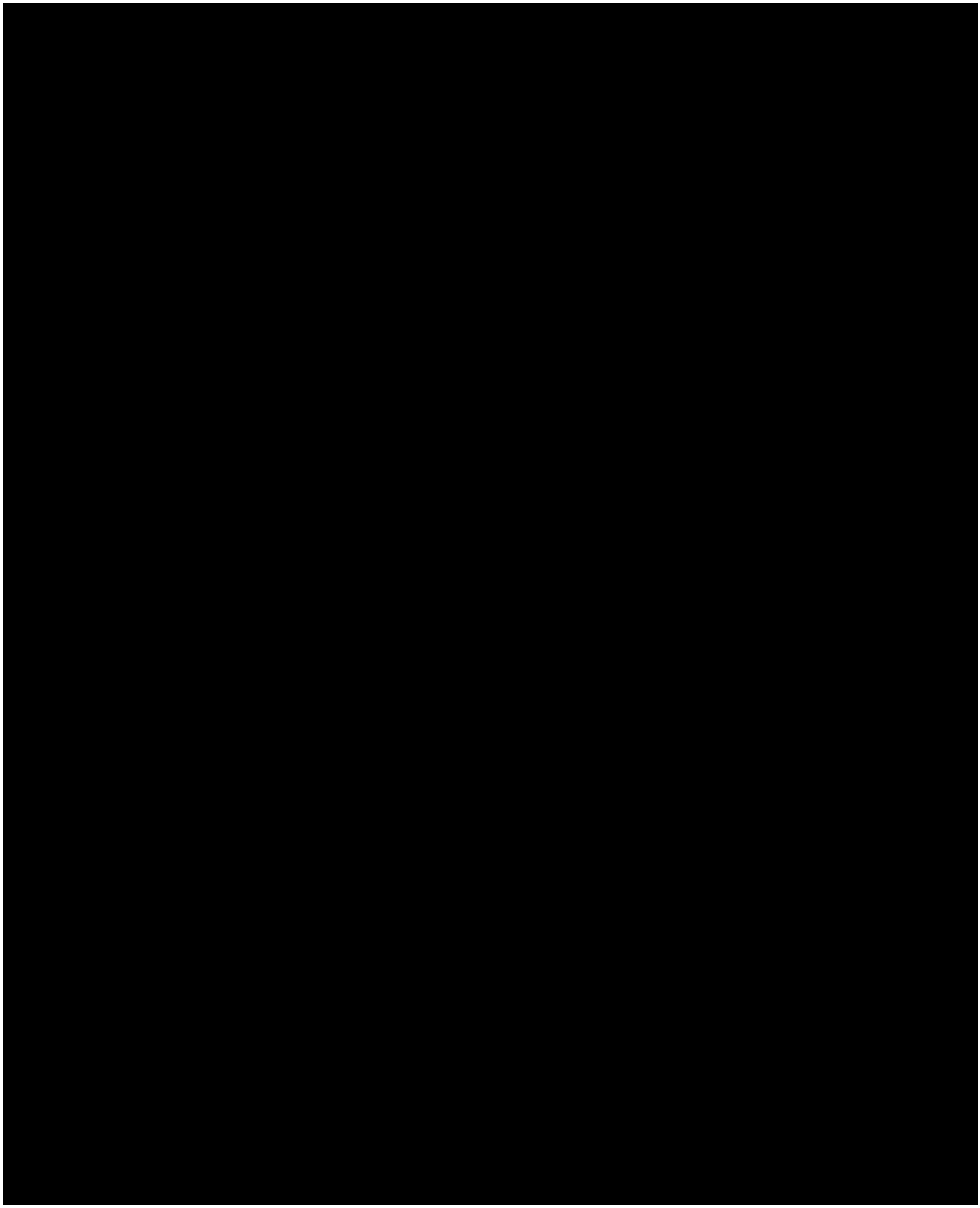

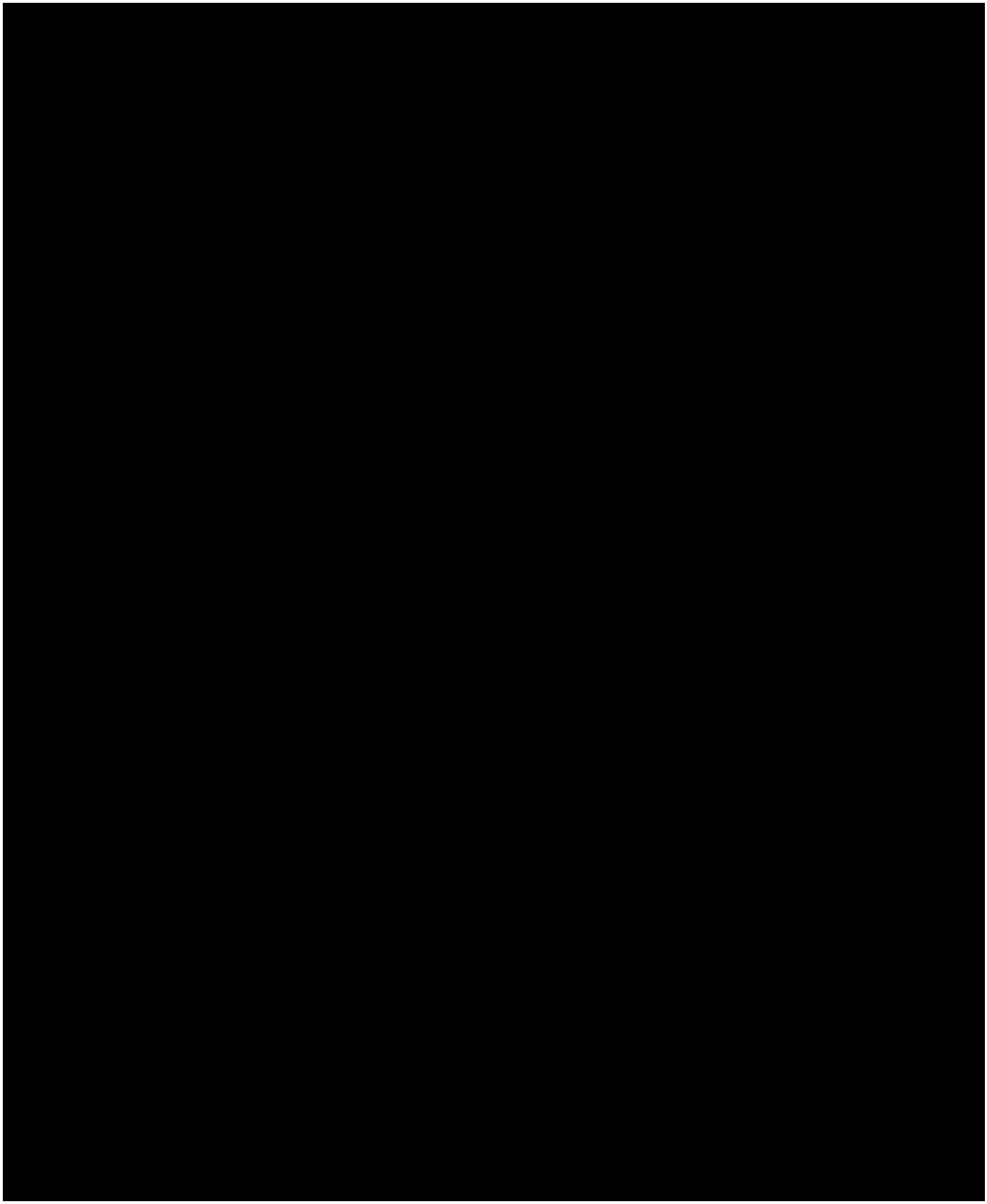

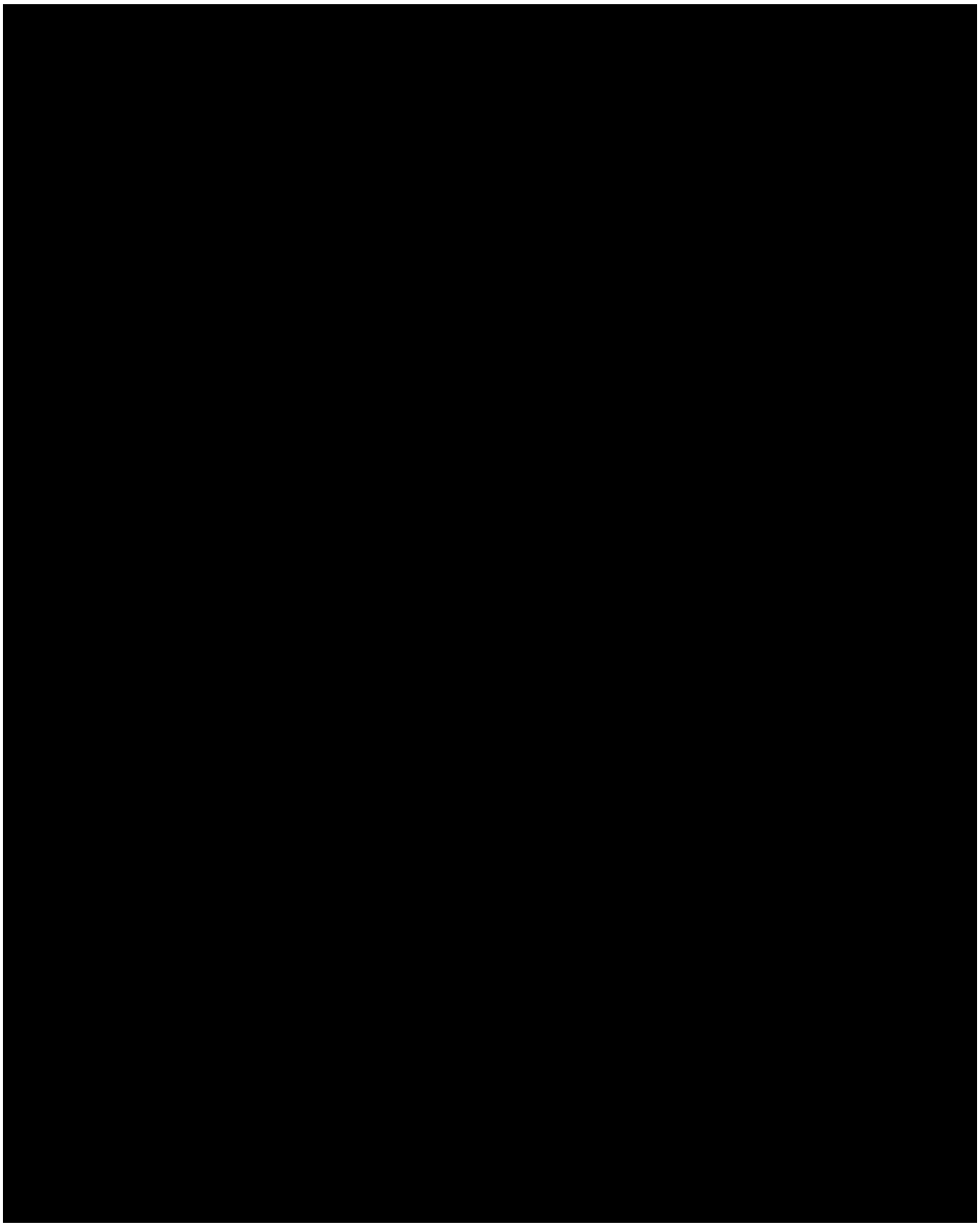

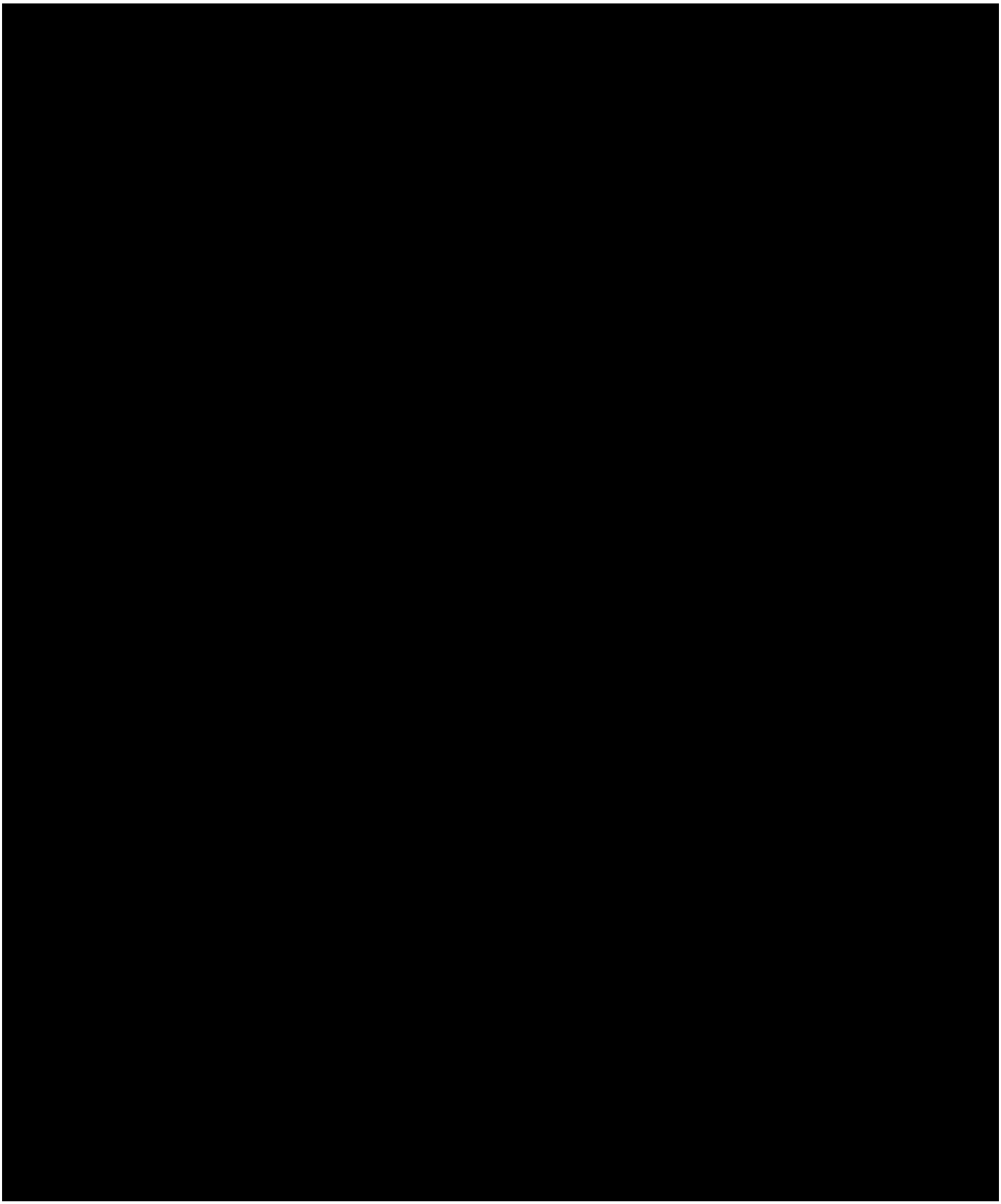

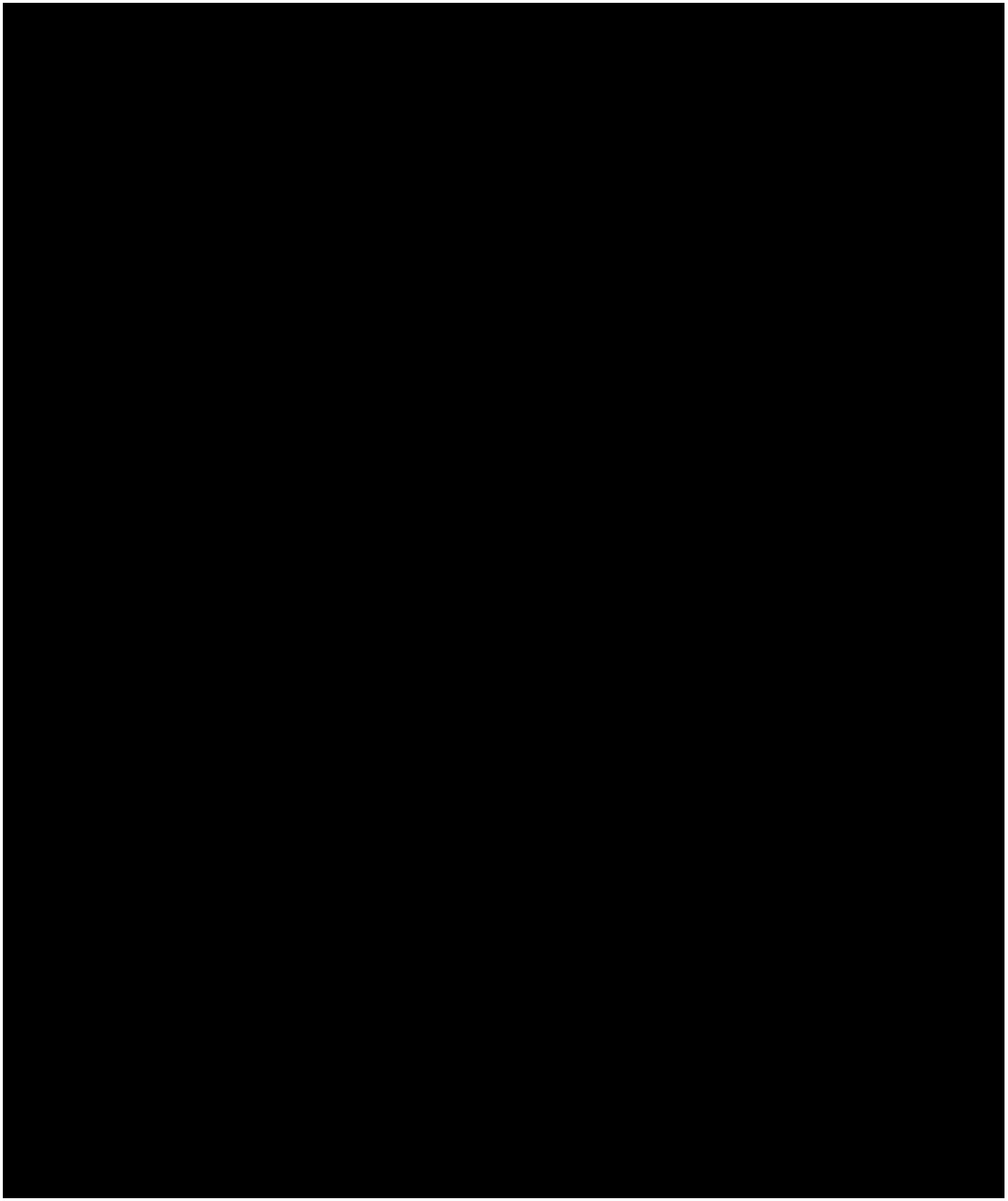

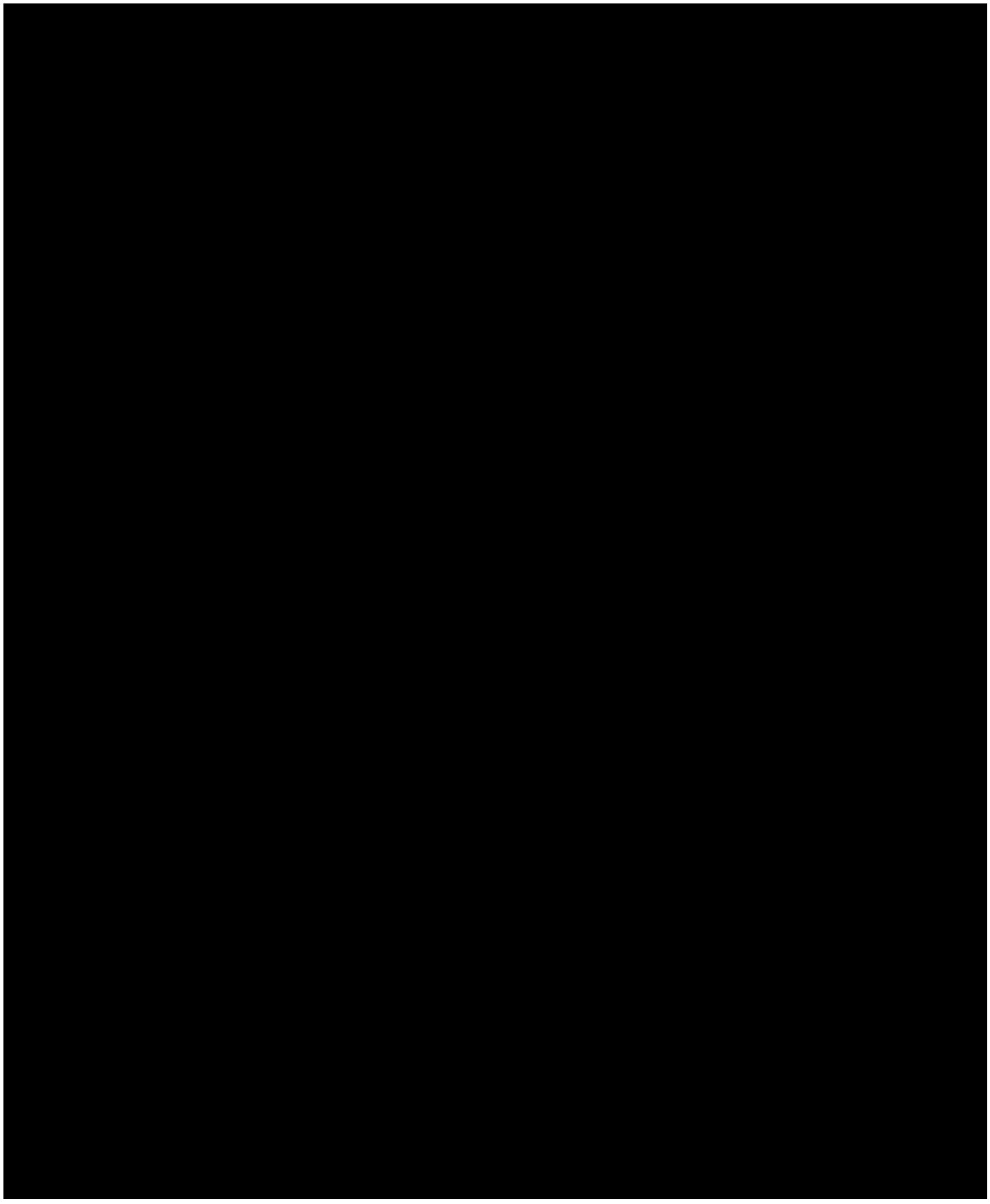

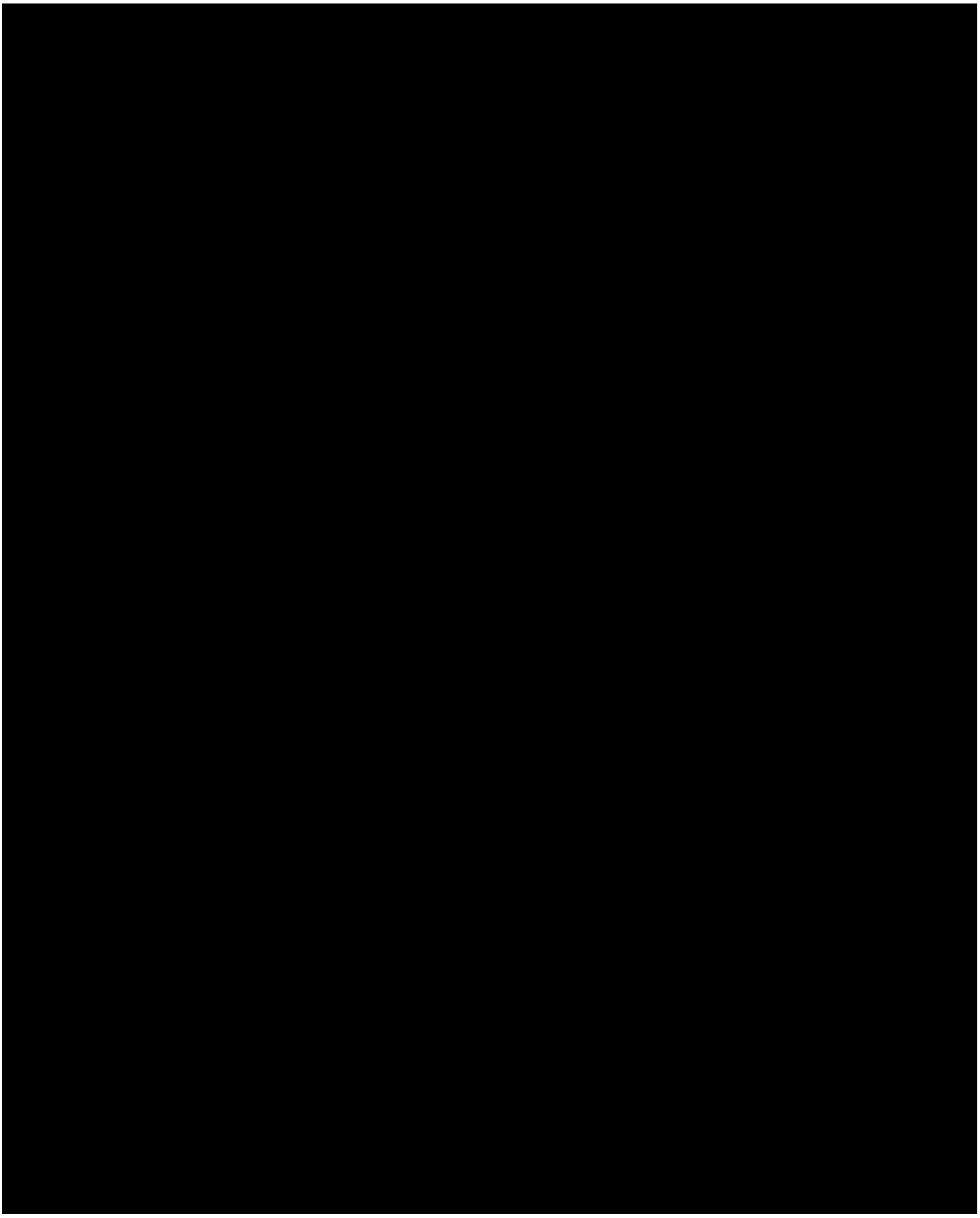

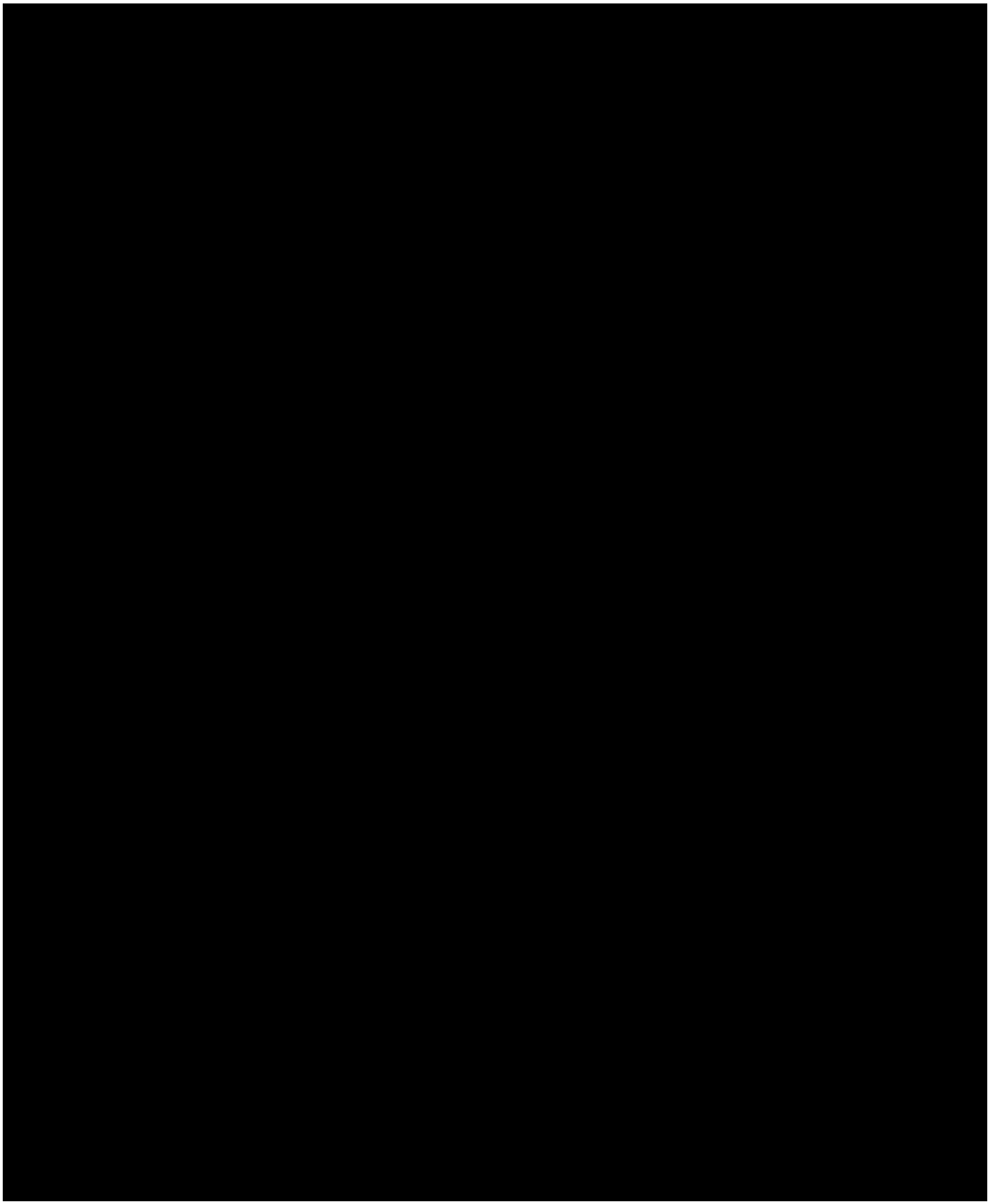

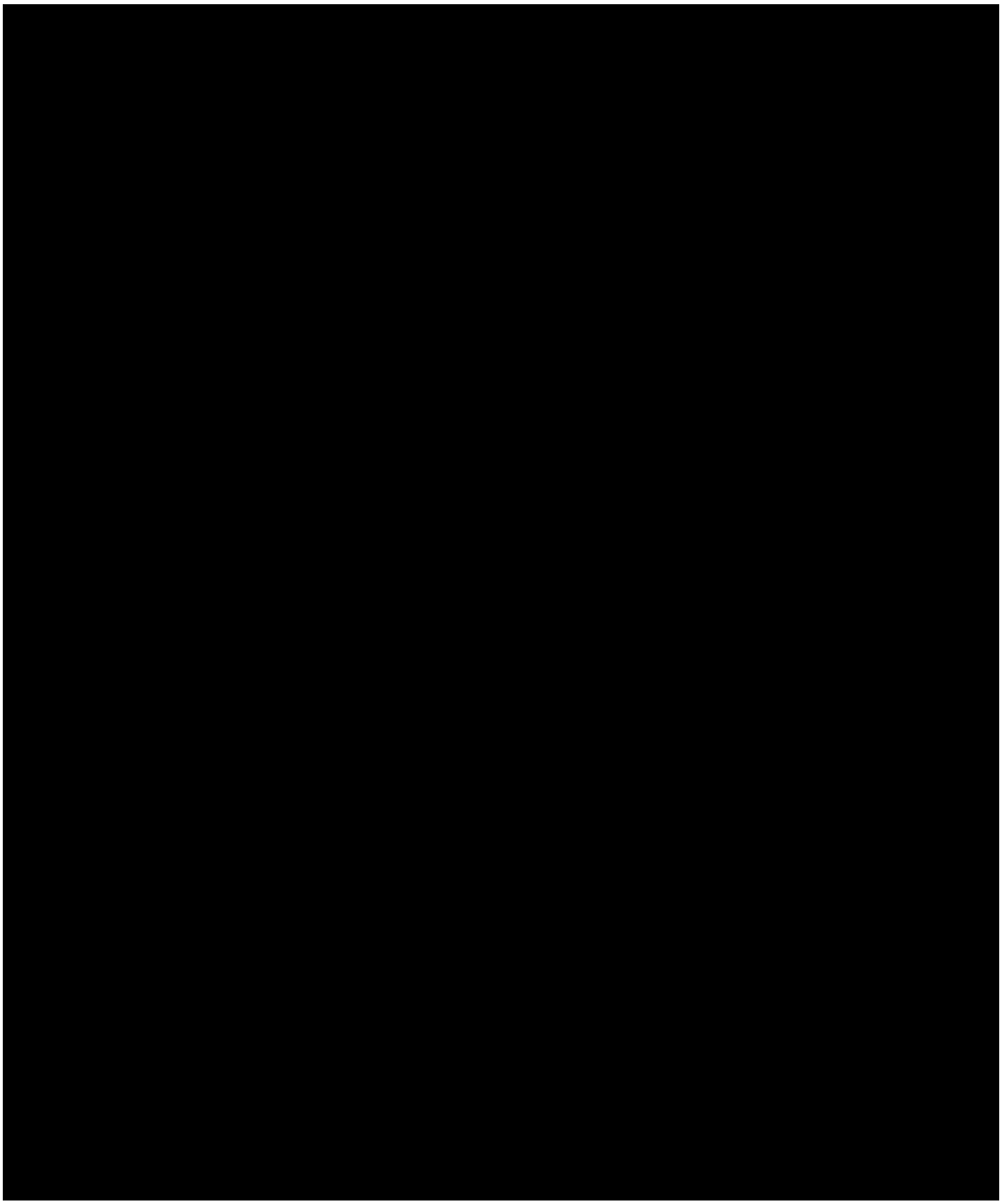

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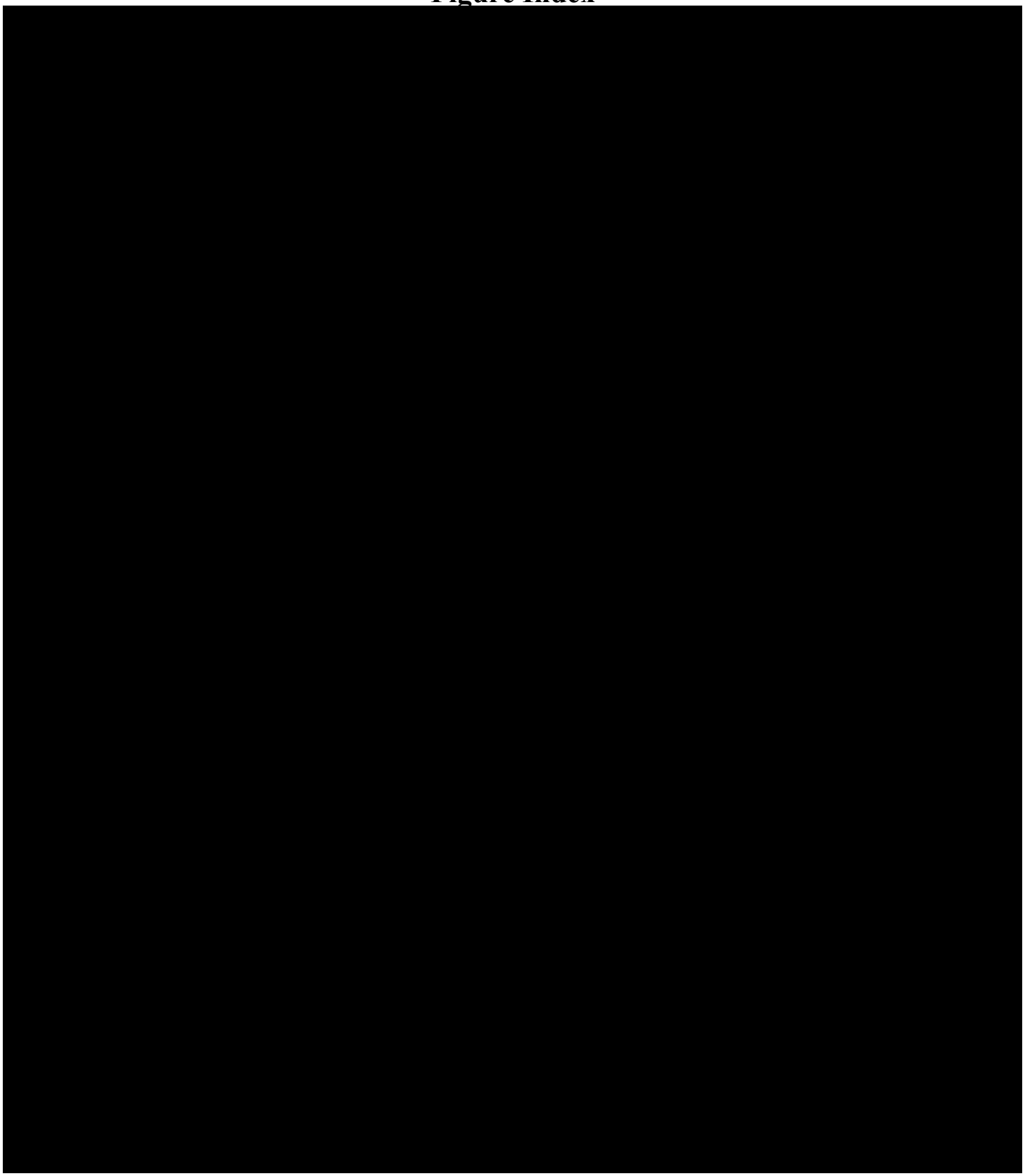
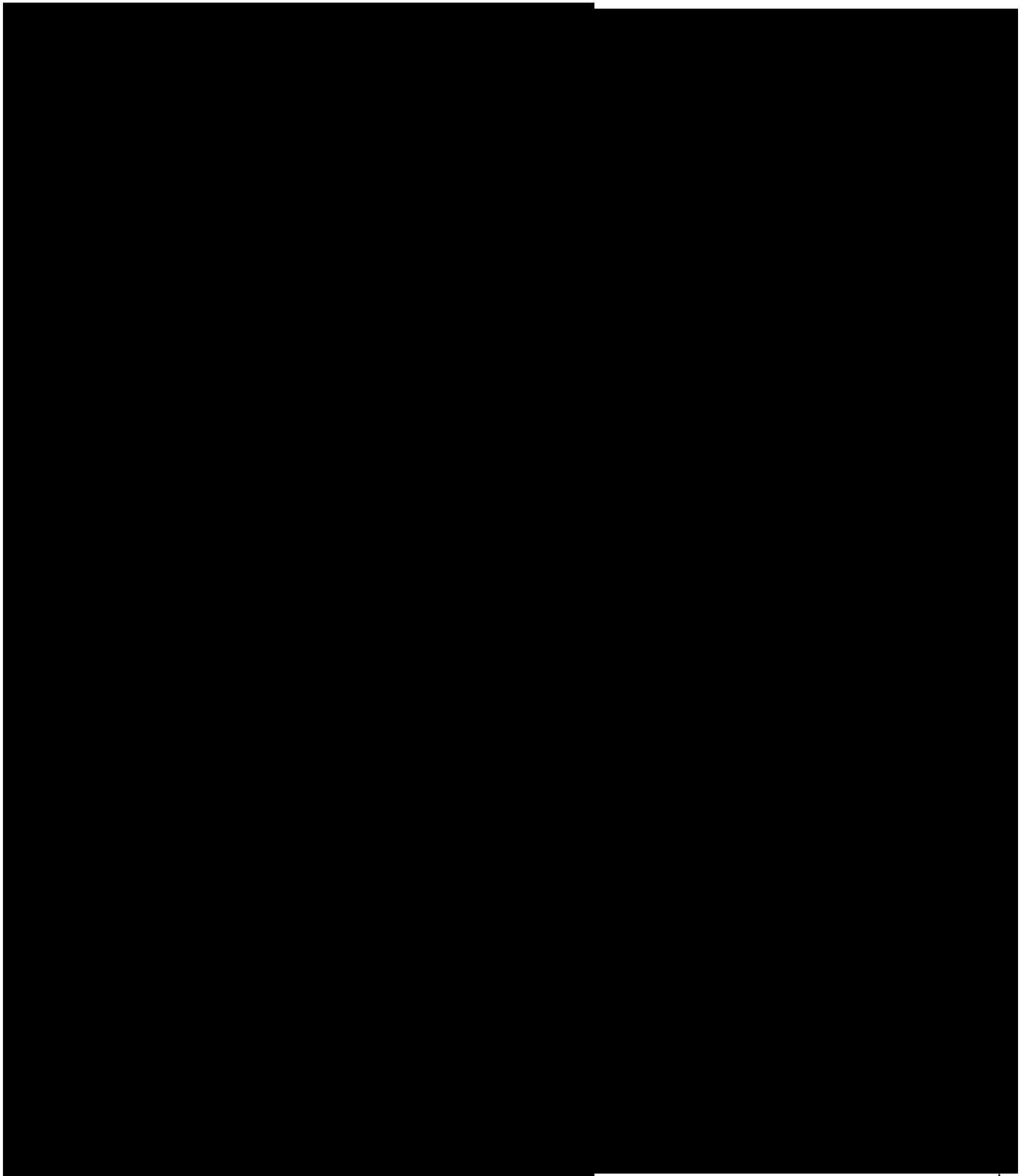


Ascension, Assumption and Iberville Parishes
Area of Donaldsonville, Louisiana

RIVER PARISH

Figure 2-1

RPS Project | May 2023

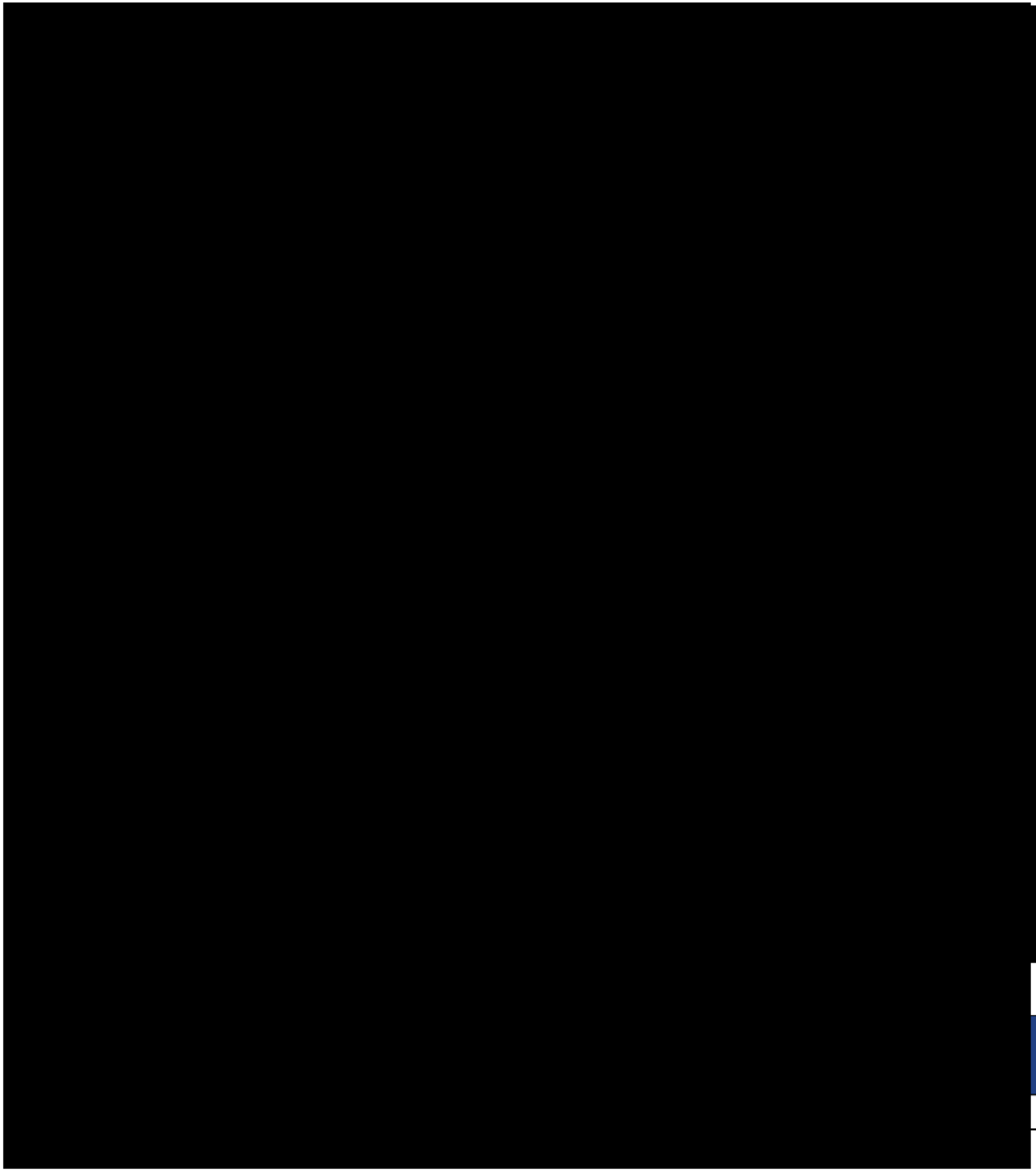


Assumption Parish
Louisiana

RIVER PARISH

Figure 2.2-1

RPS Project | May 2023



Ascension, Assumption, and Iberville Parishes
Louisiana

RIVER PARISH

RPS Project	May 2023	**Figure 2.3-1**

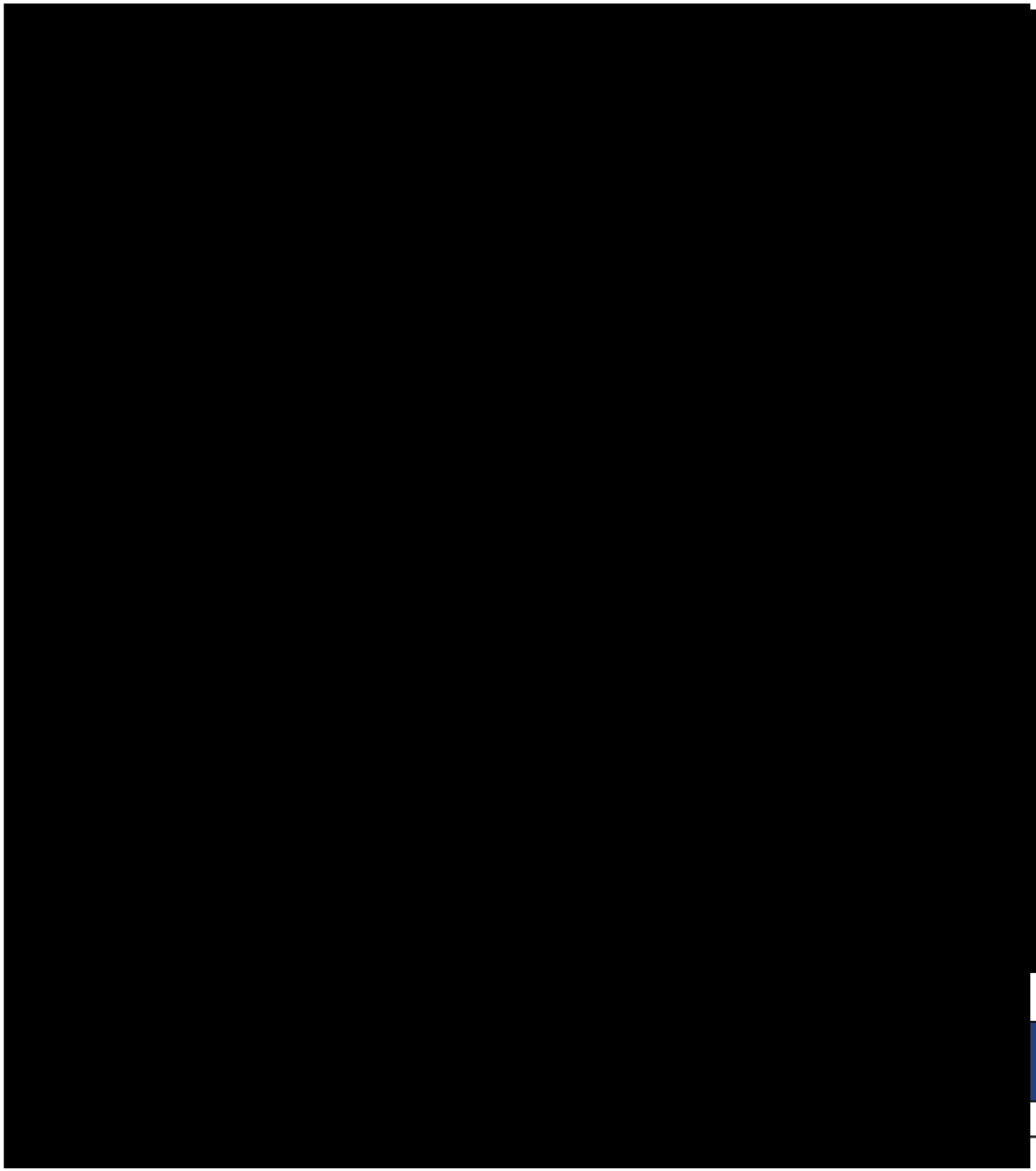
Ascension, Assumption and Iberville Parishes
Area of Donaldsonville, Louisiana

RIVER PARISH

Figure 2.3-2

RPS Project | May 2023

Louisiana		
RIVER PARISH		**Figure**
RPS Project	May 2023	**2.3-3**



Ascension, Assumption, and Iberville Parishes
Louisiana

RIVER PARISH

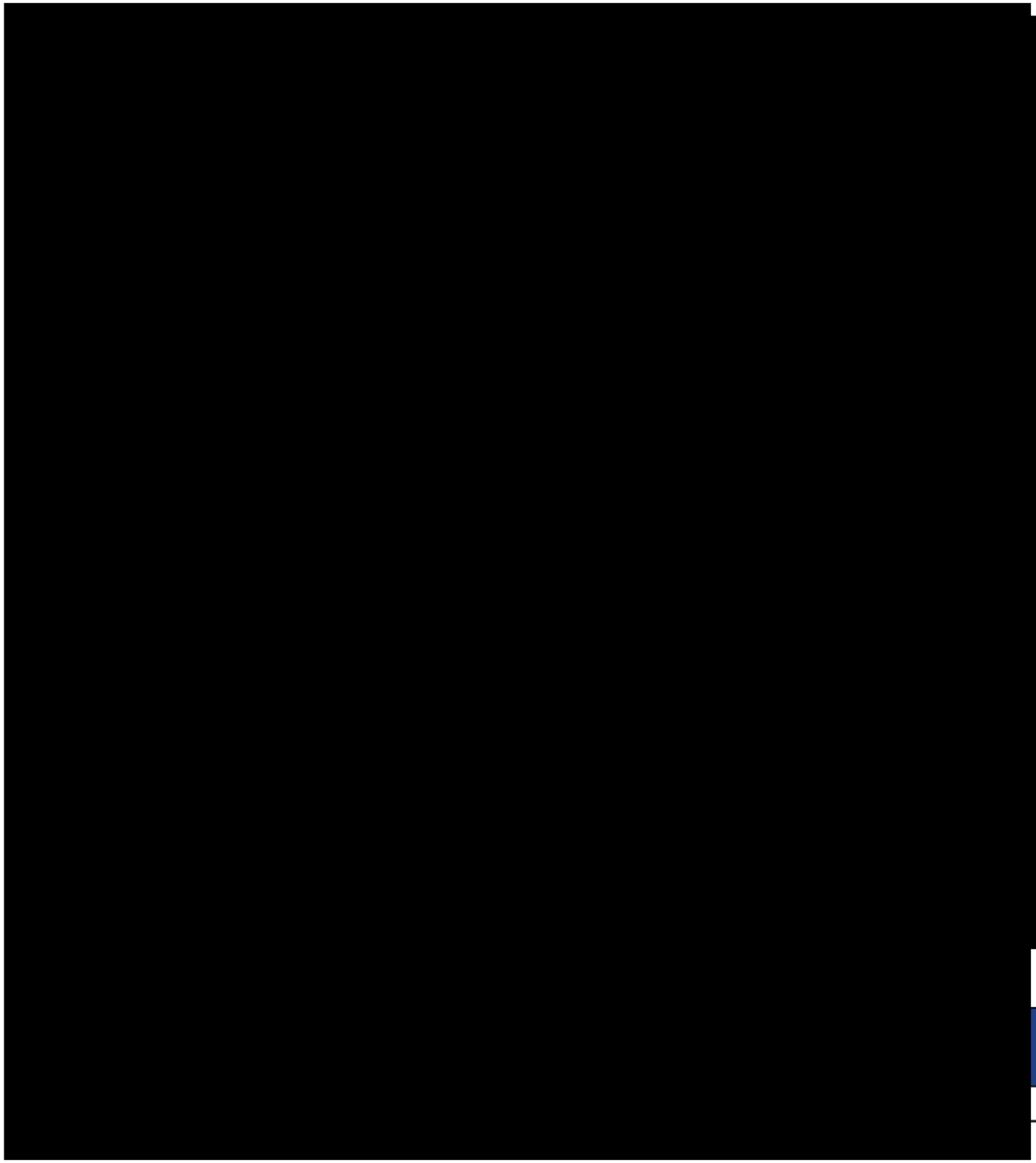
RPS Project	May 2023	**Figure 2.3-4**

Ascension, Assumption and Iberville Parishes
Area of Donaldsonville, Louisiana

RIVER PARISH

Figure 2.4-1

RPS Project | May 2023



Ascension, Assumption, and Iberville Parishes
Louisiana

RIVER PARISH

Figure 2.4-2

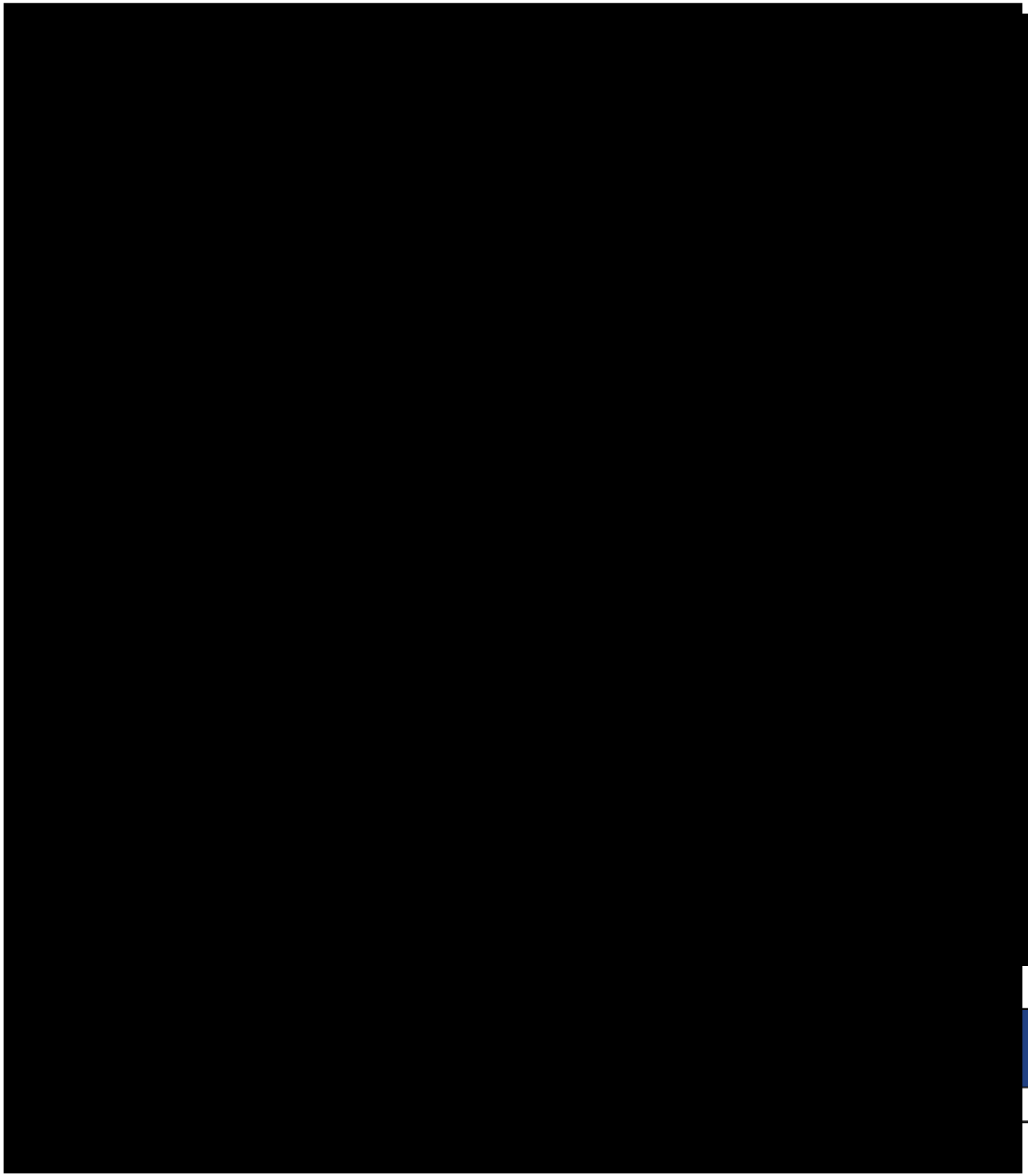
RPS Project | May 2023

Ascension, Assumption, and Iberville Parishes
Louisiana

RIVER PARISH

Figure 2.5-1

RPS Project	May 2023



Louisiana

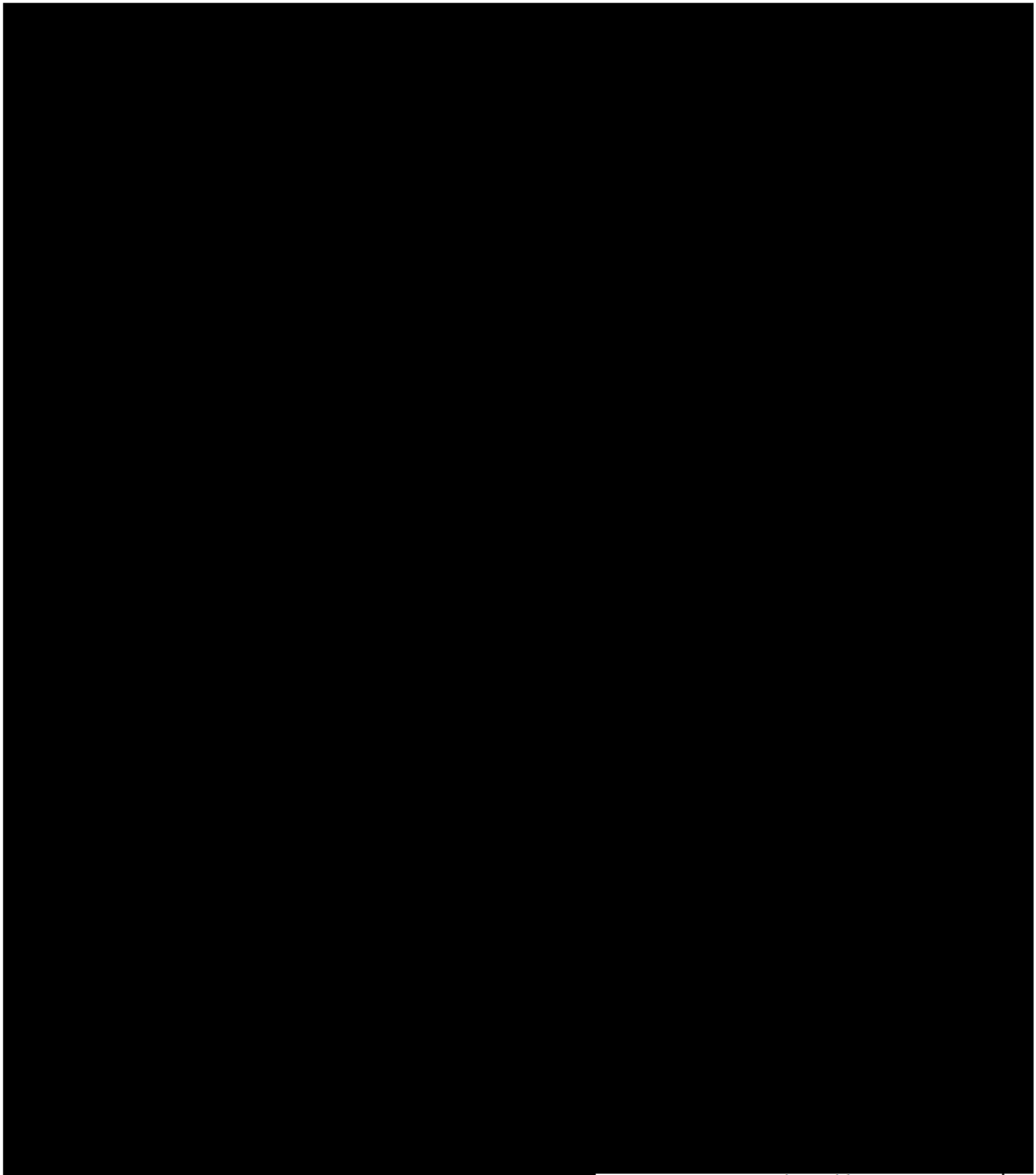
RIVER PARISH

RPS Project	June 2023	**Figure 3.1-1**

Assumption Parish
Louisiana

RIVER PARISH

RPS Project	June 2023	**Figure 3.1-2**

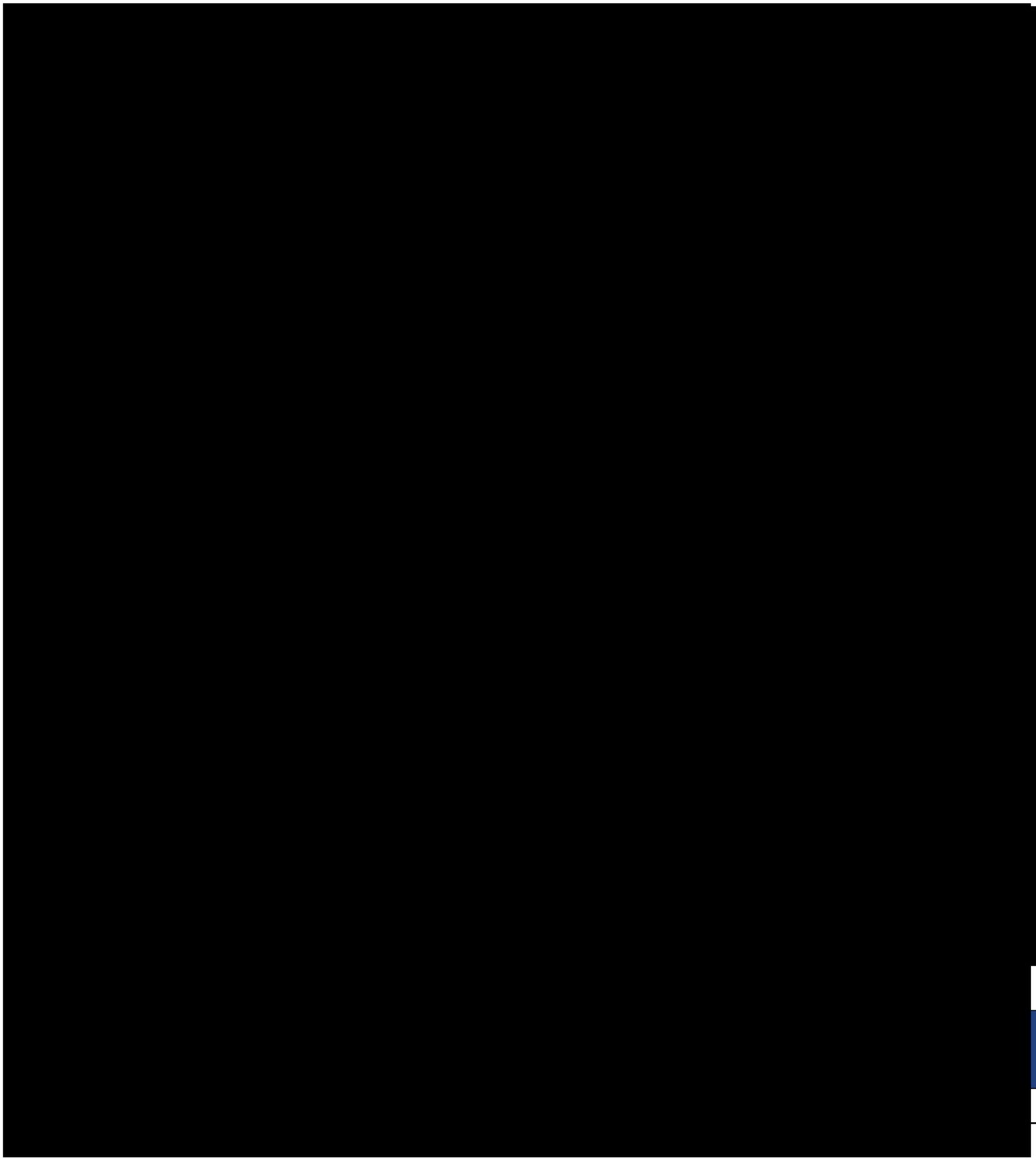


Assumption Parish
Louisiana

RIVER PARISH

Figure 3.1-3

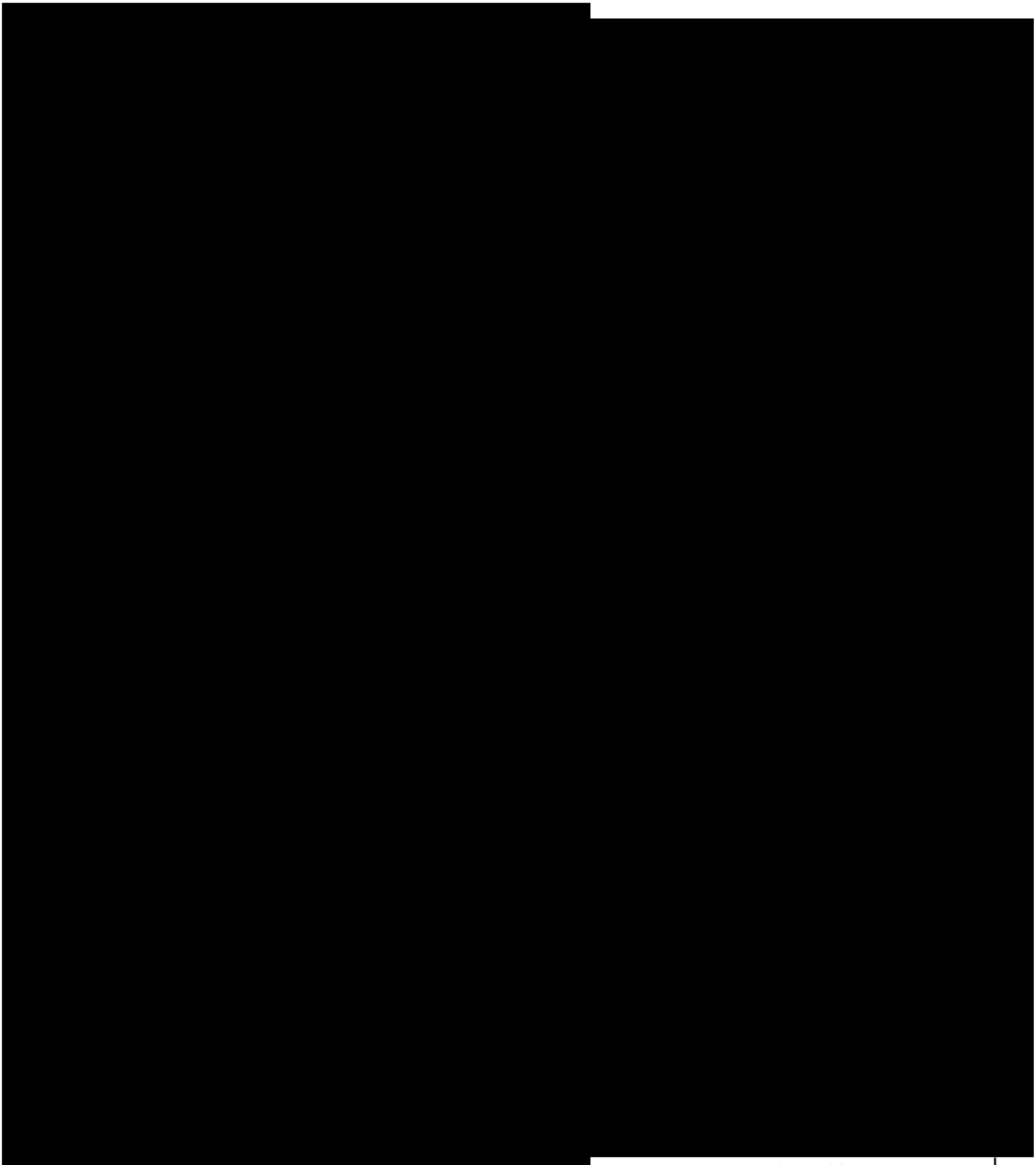
RPS Project | June 2023



Louisiana

RIVER PARISH

RPS Project	June 2023	**Figure 3.1-4**

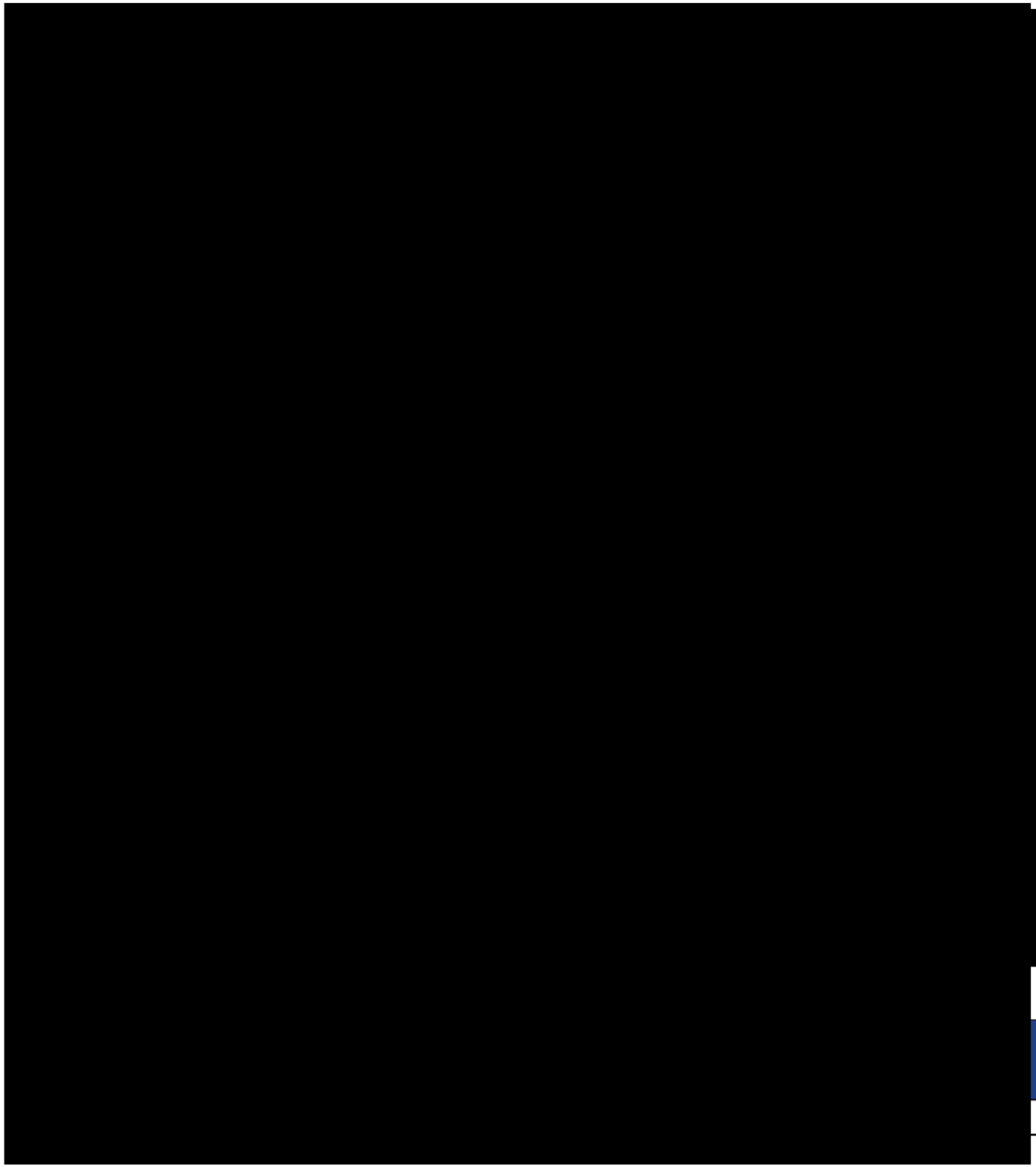


Assumption Parish
Louisiana

RIVER PARISH

Figure 3.1-5

RPS Project | June 2023



Assumption Parish
Louisiana

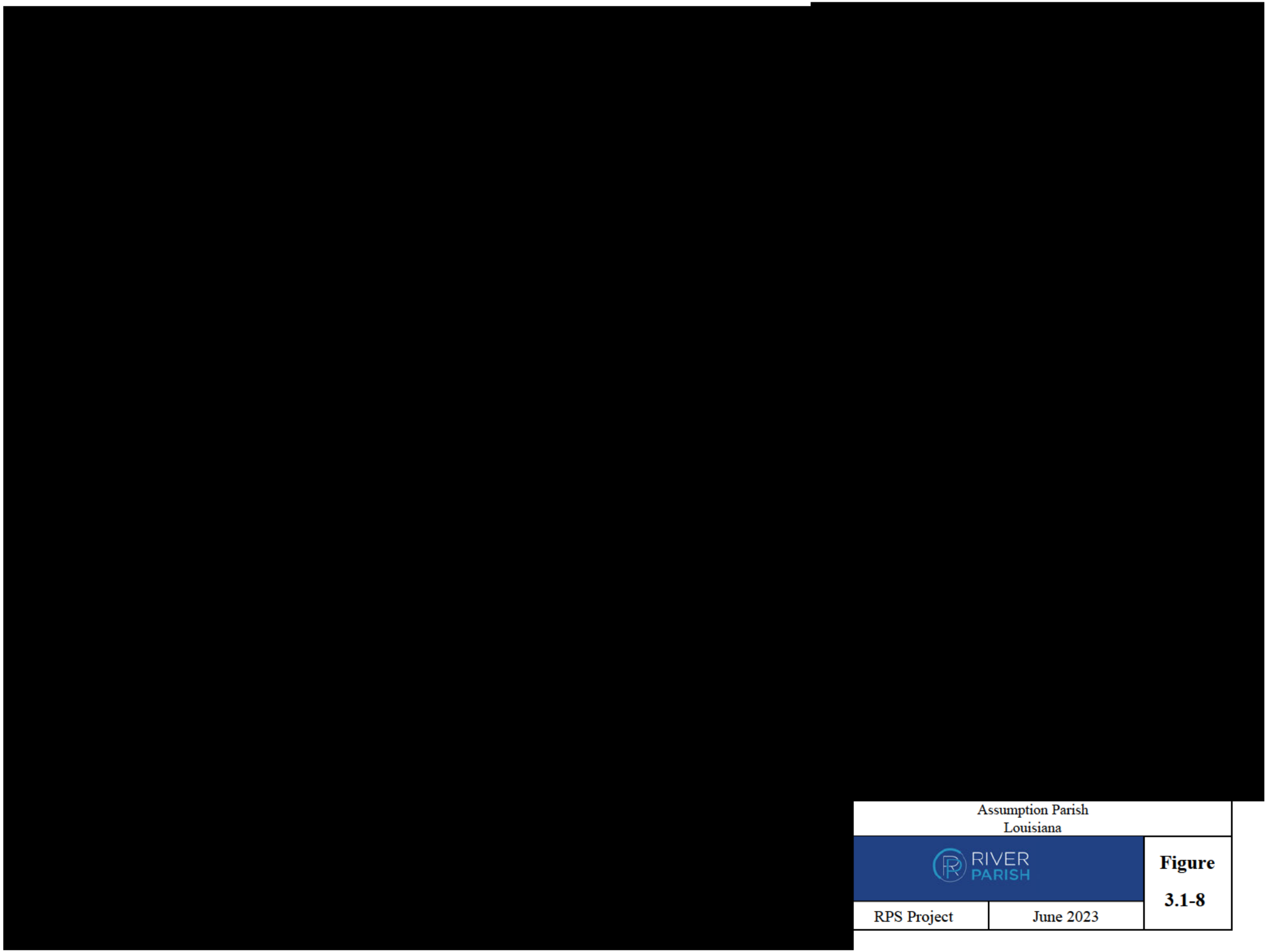
RIVER PARISH

RPS Project	June 2023	**Figure 3.1-6**

Assumption Parish
Louisiana

RIVER PARISH

RPS Project	June 2023	**Figure 3.1-7**

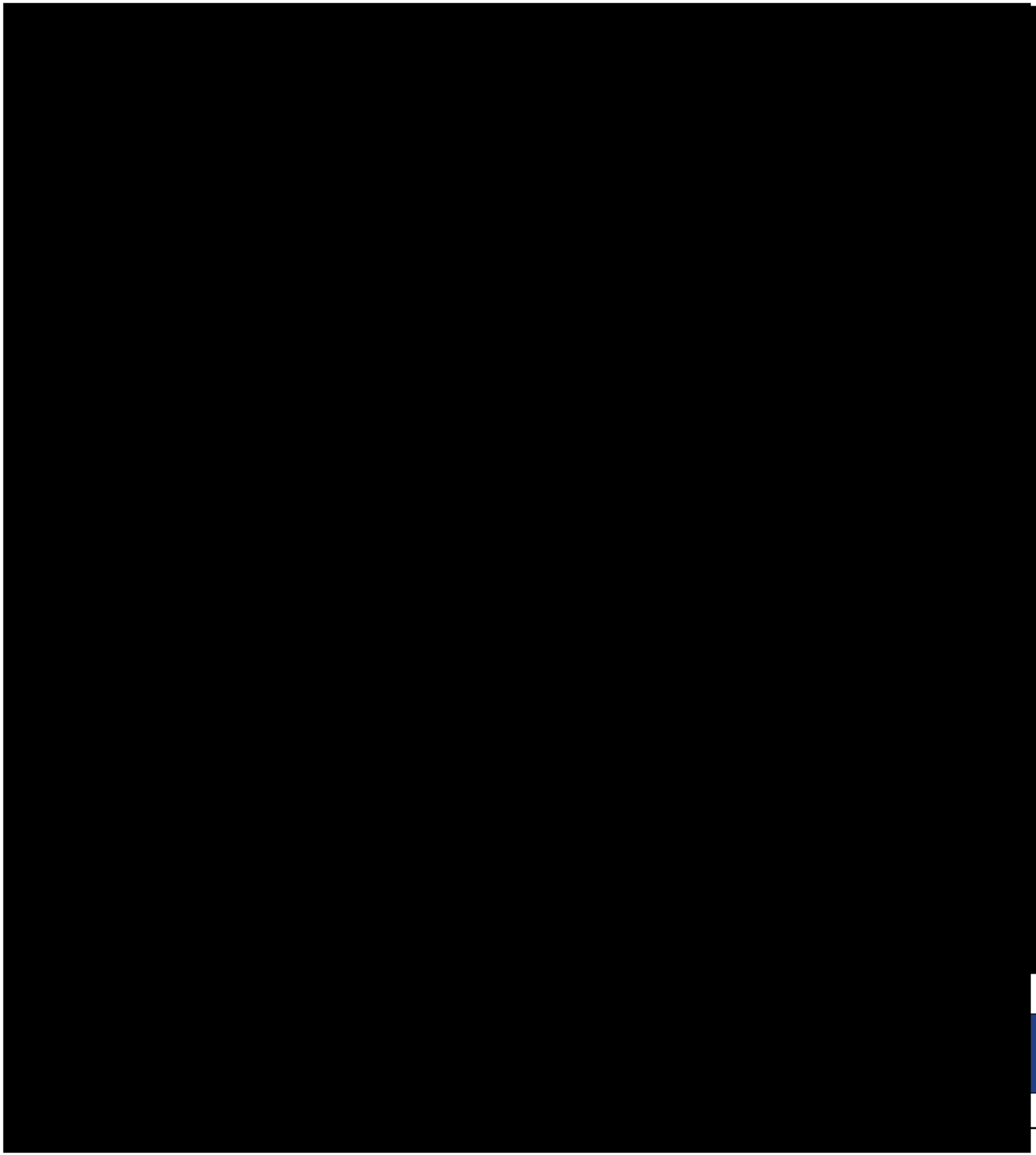


Assumption Parish
Louisiana

RIVER PARISH

Figure 3.1-8

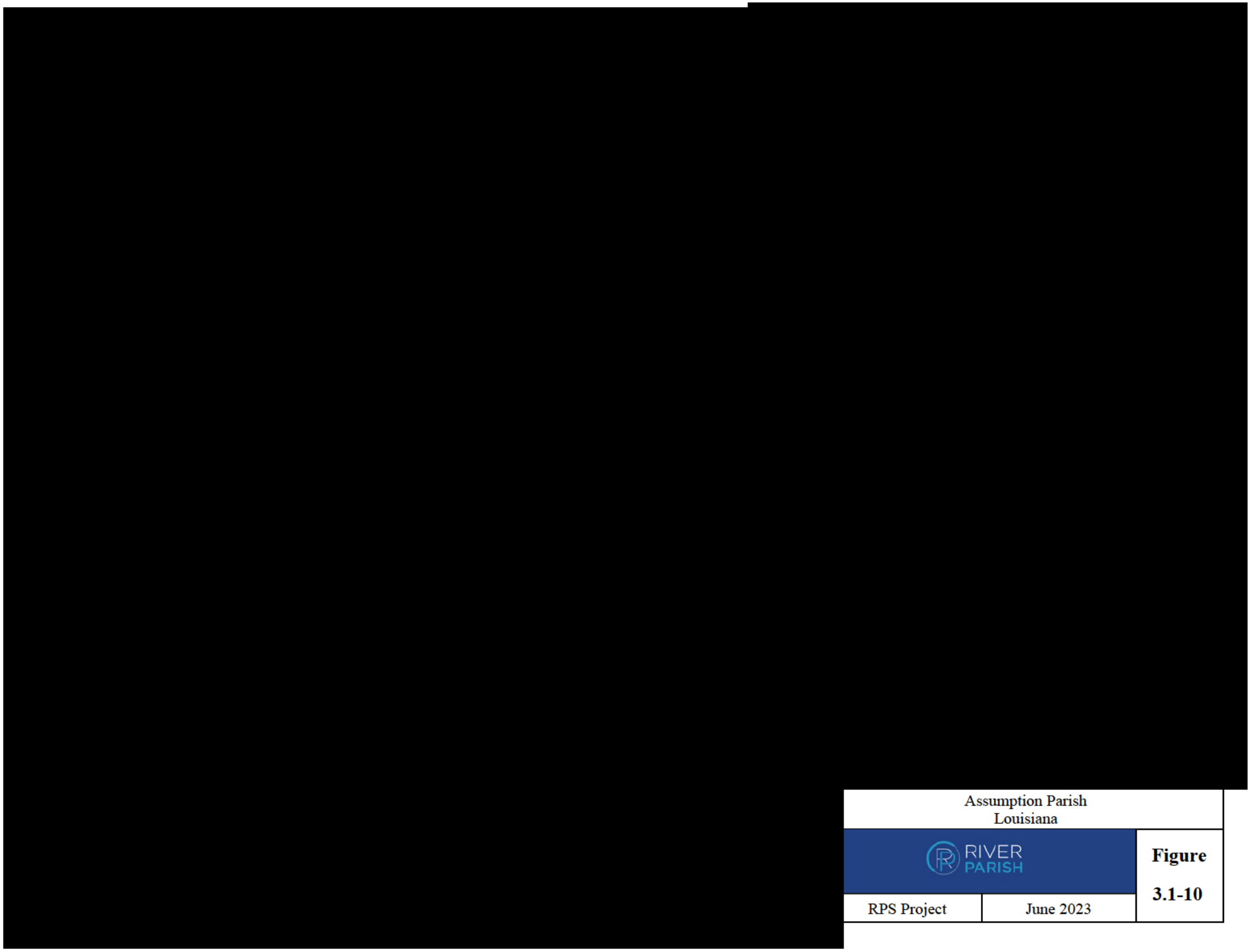
RPS Project | June 2023



Louisiana

RIVER PARISH

RPS Project	June 2023	**Figure 3.1-9**



Assumption Parish
Louisiana

RIVER PARISH

RPS Project	June 2023	**Figure 3.1-10**

Louisiana

RIVER PARISH

RPS Project	June 2023	Figure 3.3-1

[redacted]

Aerial Extent of Modeled CO2 Plumes for Sensitivity Cases over a Timeframe of 50 Years Post-Injection

Assumption Parish
Louisiana

RIVER PARISH

Figure 3.3-2

RPS Project	June 2023

Assumption Parish
Louisiana

RIVER PARISH

RPS Project	June 2023

Figure 4.2-1